

CONTACT TYPE MISFEED SENSOR UNITS

④ Switch EMF

When set 10 ± 0.1

8.9 $R0.6$ 60°

6 ± 0.07 3 $\phi 5 \pm 0.10$

17.8 ± 0.07 6.2 6 ± 0.07

$\phi 2 \times 300$

To misfeed sensor controller

① SMA

$L \pm 0.3$ $D \phi 6$ $R10$ $B \pm 0.3$ G $P \pm 0.01$

	P ≥ 2.00	1.00 ≤ P < 2.00	P < 1.00
Y	3	2	1
G	15°	10°	10°

② WL

d F ℓ

Part A [Normal] 1.0 $R0.3 \sim 0.5$ $R2.5$ 0.5 (When set)

[Misfeed]

Part No.	Name	Catalog No.	④	Part No.	Name	Catalog No.	④
①	Misfeed pin	SMAS SMAL SMAX	④ Equivalent to SKD11 ④ 60 ~ 63HRC	③	Screw plug	MSW	④ P.819
②	Spring for misfeed pin	WL	④ P.1401	④	Switch	EMF	④ Polycarbonate

WL Spring constant 1N/mm {0.1kgf/mm}												
①	Type	D4		D5		D6		D8		D10		
		ϕD_1	ℓ	d	max.F	d	max.F	d	max.F	d	max.F	
② WL	25	6	0.65	10	0.65	10	0.75	10	0.9	10	0.9	10
	30	6	0.7	12	0.7	12	0.8	12	0.9	12	0.9	12
	35	6	0.7	14	0.7	14	0.8	14	0.9	14	0.9	14
	40	6	0.7	16	0.7	16	0.8	16	0.9	16	0.9	16
	45	6	0.75	18	0.75	18	0.85	18	1.0	18	1.0	18
	50	6	0.75	20	0.75	20	0.85	20	1.0	20	1.0	20
	55	6	0.75	22	0.75	22	0.85	22	1.0	22	1.0	22
	60	6	0.8	24	0.8	24	0.9	24	1.0	24	1.0	24
	65	6	0.8	26	0.8	26	0.9	26	1.1	26	1.1	26
	70	6	0.85	28	0.85	28	1.0	28	1.1	28	1.1	28
③ MSW		M8×P1.25		M10×P1.5		M10×P1.5		M12×P1.5		M14×P1.5		

Spring load (N) = Spring constant (N/mm) × deflection F (mm) (N) = kgf × 9.80665

① Misfeed pin

B	Catalog No.		L							P	Base unit price	Volume discount unit price			
	Type	D								0.01mm increments	1~4 pieces	5~9	10~19	20~50	
10	SMAS	4	50	60	70	80				1.00~3.97					
		5	50	60	70	80	90	100		2.00~4.97					
		6	50	60	70	80	90	100		2.00~5.97					
15	SMAL	4		60	70	80				1.00~3.97					
		5		60	70	80	90	100		2.00~4.97					
		6		60	70	80	90	100		2.00~5.97					
21	SMAX	4		60	70	80				1.20~3.97					
		5		60	70	80	90	100		2.00~4.97					
27		6		60	70	80	90	100		2.00~5.97					
		8		70	80	90	100		3.00~7.97						
32		10		70	80	90	100	110		3.00~9.97					
		10		70	80	90	100	110		3.00~9.97					



Order Catalog No. — L — P
SMAS 6 — 80 — P3.00



Days to Ship **Quotation**



Alterations Catalog No. — L(LC) — P(PC) — (BC·HC·NTC·PKC)
SMAS 8 — LC79 — PC2.50

Alteration	Code	Spec.	1Code
	PC	Tip diameter change $PC \geq \frac{P_{min}}{2} \geq 0.50$ 0.01mm increments	④
	BC	Tip length change $Y + 2 \leq BC \leq B_{max}$ $BC \leq L(LC) - 30$ 0.1mm increments	④
	LC	L dimension change $(B) + 30 \leq LC < L$ 0.1mm increments ④ If difference between L dimension and tip length is 30 or less, tip length is adjusted to L-30.	④

Alteration	Code	Spec.	1Code
	HC	Head diameter change $D \leq HC < D + 2$ 0.1mm increments	④
	NTC	Elimination of tip taper	④
	PKC	Tip diameter tolerance $p + 0.01 \leq +0.005$ change	④

②③④ Sensor units

Catalog No.	Type	D	Type	ℓ	Base unit price	Volume discount unit price							
					1~4 sets	5~9	10~19	20~50					
MFL	WL	4	25	30	35	40	45	50	55	60	65	70	Quotation
		5											
		6											
		8											
		10											



Order Catalog No. — ②Type · ℓ
MFL 6 — WL 60



Days to Ship **Quotation**

④ Component parts (individual parts)

Part No.	Name	Catalog No.	Base unit price	Volume discount unit price		
			1~4 pieces	5~9	10~19	20~50
④	Switch	EMF		Quotation		



Order Catalog No.
EMF



Days to Ship **Quotation**

④ Refer to the corresponding pages for details of the following components.

Part No.	Name	Catalog No.	Page
②	Spring for misfeed pin	WL	P.1401
③	Screw plug	MSW	P.819